

TWO-STEP EQUATIONS

Henry is playing memory with different math cards. Solve for x on each card and record the matching sets below.

A $7x - 28 = 14$
 $+28$
 $7x = 42$
 $\div 7$
 $x = 6$

B $9x - 9 = 18$
 $+9$
 $9x = 27$
 $\div 9$
 $x = 3$

C $\frac{x}{7} + 5 = 8$
 -5
 $\frac{x}{7} = 3$
 $\cdot 7$
 $x = 21$

D $37 = 32 + \frac{x}{10}$
 -32
 $5 = \frac{x}{10}$
 $\cdot 10$
 $50 = x$

E $\frac{x}{4} + 9 = 11$
 -9
 $\frac{x}{4} = 2$
 $\cdot 4$
 $x = 8$

F $4x - 16 = 32$
 $+16$
 $4x = 48$
 $\div 4$
 $x = 12$

G $5x + 27 = 32$
 -27
 $5x = 5$
 $\div 5$
 $x = 1$

H $2x - 8.7 = 21.3$
 $+8.7$
 $2x = 30$
 $\div 2$
 $x = 15$

I $48 = 3x - 15$
 $+15$
 $63 = 3x$
 $\div 3$
 $21 = x$

J $0.5x + 15 = 18$
 -15
 $0.5x = 3$
 $\div 0.5$
 $x = 6$

K $8 + \frac{x}{3} = 13$
 -8
 $\frac{x}{3} = 5$
 $\cdot 3$
 $x = 15$

L $8x - 2.5 = 5.5$
 $+2.5$
 $8x = 8$
 $\div 8$
 $x = 1$

M $\frac{x}{5} + 7 = 17$
 -7
 $\frac{x}{5} = 10$
 $\cdot 5$
 $x = 50$

N $84 = 24 + 5x$
 -24
 $60 = 5x$
 $\div 5$
 $12 = x$

O $14 = 3x - 10$
 $+10$
 $24 = 3x$
 $\div 3$
 $8 = x$

P $5x - 7.4 = 7.6$
 $+7.4$
 $5x = 15$
 $\div 5$
 $x = 3$

A	
x =	

B	
x =	

C	
x =	

D	
x =	

E	
x =	

F	
x =	

G	
x =	

H	
x =	